

WHAT IS CLAIMED IS:

1. An image position confirming device comprising:

a pick-up sensor which picks-up a region within a predetermined pick-up range including a predetermined position at which an image, which is recorded on an original, is to be registered;

a display section for displaying an image; and

a display control section for, when the image recorded on the original is to be registered at the predetermined position, displaying, as a dynamic image, on the display section in accordance with a dynamic image display mode selected from among plural types of dynamic image display modes which are readied in advance, results of pick-up which are obtained by the pick-up sensor picking up the region within the predetermined pick-up range.

2. An image position confirming device according to claim 1, wherein the plural types of dynamic image display modes include a high speed display mode which displays the results of pick-up as a dynamic image which follows, at high speed, changes in a state of the region within the predetermined pick-up range, and a highly-detailed display mode which displays the results of pick-up as a dynamic image which shows in great detail a state of the region within the predetermined pick-up range.

3. An image position confirming device according to claim 2, wherein the pick-up sensor outputs the results of pick-up at a predetermined period, and

the high speed display mode is a display mode which displays the results of pick-up as a dynamic image by displaying an image which shows the results of pick-up by using, in data expressing the results of pick-up, only data of one pixel group among a first pixel group and a second pixel group which are determined such that pixels forming each pixel group are substantially uniformly distributed in the region within the pick-up range, and by updating display of the image at the predetermined period, and

the highly-detailed display mode is a display mode which displays the results of pick-up as a dynamic image by displaying the results of pick-up by using both data of the first pixel group and data of the second pixel group, and by alternately updating, at the predetermined period, between display corresponding to the first pixel group and display corresponding to the second pixel group.

4. An image position confirming device according to claim 1, wherein the plural types of dynamic image display modes include a monochrome display mode which displays the results of pick-up as a monochromatic dynamic image, and a color display mode which

displays the results of pick-up as a color dynamic image.

5. An image position confirming device according to claim 1, further comprising a manual selecting section for manually selecting a dynamic image display mode used in display of the results of pick-up by the pick-up sensor.

6. An image position confirming device according to claim 1, further comprising an automatic selecting section for, in accordance with a moving state of the original, automatically selecting a dynamic image display mode used in display of the results of pick-up by the pick-up sensor.

7. An image position confirming device according to claim 6 further comprising a detecting section for detecting the moving state of the original by carrying out a predetermined computation by using the results of pick-up by the pick-up sensor,

wherein the automatic selecting section recognizes the moving state of the original on the basis of results of detection by the detecting section.

8. An image position confirming device according to claim 6, wherein

when the moving state of the original is a state in which

09932767 14204  
T002T 2928660

a moving speed is greater than or equal to a predetermined value, the automatic selecting section selects, as the dynamic image display mode used in display of the results of pick-up, one of a high speed display mode which displays the results of pick-up as a dynamic image which follows, at high speed, changes in a state of the region within the pick-up range, and a monochrome display mode which displays the results of pick-up as a monochromatic dynamic image, and

when the moving state of the original is a state in which the moving speed is less than the predetermined value, the automatic selecting section selects, as the dynamic image display mode used in display of the results of pick-up, one of a highly-detailed display mode which displays the results of pick-up as a dynamic image showing in great detail a state of the region within the pick-up range, and a color display mode which displays the results of pick-up as a color dynamic image.

9. A method of supporting image position confirmation, comprising the steps of:

providing a pick-up sensor which picks-up a region within a predetermined pick-up range including a predetermined position at which an image, which is recorded on an original, is to be registered;

when the image recorded on the original is to be registered

at the predetermined position, selecting a dynamic image display mode which corresponds to a moving state of the original, from among plural types of dynamic image display modes which are readied in advance; and

displaying, as a dynamic image, on a display section for displaying an image in accordance with a selected dynamic image display mode, results of pick-up obtained by the pick-up sensor picking up the region within the predetermined pick-up range.

10. A recording medium on which is recorded a program for executing a predetermined processing at a computer which displays, on a display section for display of an image, results of pick-up which are obtained by a pick-up sensor, which picks-up a region within a predetermined pick-up range including a predetermined position at which an image which is recorded on an original is to be registered, picking up the region within the predetermined pick-up range,

wherein the predetermined processing includes:

a first step of, when the image recorded on the original is to be registered at the predetermined position, selecting a dynamic image display mode which corresponds to a moving state of the original, from among plural types of dynamic image display modes which are readied in advance; and

a second step of displaying, as a dynamic image, on the display section for displaying an image in accordance with a

selected dynamic image display mode, the results of pick-up obtained by the pick-up sensor picking up the region within the predetermined pick-up range.

11. An image position confirming device according to claim 3, wherein each pixel of the first pixel group is arranged in a predetermined interval and each pixel of the second pixel group is arranged in a predetermined interval.

12. An image position confirming device according to claim 11, wherein each pixel of the first pixel group and each pixel of the second pixel group are arranged mutually.

13. A method of supporting image position confirmation according to claim 9, wherein the plural types of dynamic image display modes include a high speed display mode which displays the results of pick-up as a dynamic image which follows, at high speed, changes in a state of the region within the predetermined pick-up range, and a highly-detailed display mode which displays the results of pick-up as a dynamic image which shows in great detail a state of the region within the predetermined pick-up range.

14. A method of supporting image position confirmation according to claim 13, wherein the pick-up sensor outputs the

results of pick-up at a predetermined period, and

the high speed display mode is a display mode which displays the results of pick-up as a dynamic image by displaying an image which shows the results of pick-up by using, in data expressing the results of pick-up, only data of one pixel group among a first pixel group and a second pixel group which are determined such that pixels forming each pixel group are substantially uniformly distributed in the region within the pick-up range, and by updating display of the image at the predetermined period, and

the highly-detailed display mode is a display mode which displays the results of pick-up as a dynamic image by displaying the results of pick-up by using both data of the first pixel group and data of the second pixel group, and by alternately updating, at the predetermined period, between display corresponding to the first pixel group and display corresponding to the second pixel group.

15. A method of supporting image position confirmation according to claim 9, wherein the plural types of dynamic image display modes include a monochrome display mode which displays the results of pick-up as a monochromatic dynamic image, and a color display mode which displays the results of pick-up as a color dynamic image.

16. A method of supporting image position confirmation according to claim 9, wherein the moving state of the original is detected by carrying out a predetermined computation by using the results of pick-up by the pick-up sensor, and

on the basis of the detected moving state, the dynamic image display mode is selected, from among the plural types of dynamic image display modes.

17. A method of supporting image position confirmation according to claim 9, wherein

when the moving state of the original is a state in which a moving speed is greater than or equal to a predetermined value, as the dynamic image display mode used in display of the results of pick-up, one of a high speed display mode which displays the results of pick-up as a dynamic image which follows, at high speed, changes in a state of the region within the pick-up range, and a monochrome display mode which displays the results of pick-up as a monochromatic dynamic image, is selected, and

when the moving state of the original is a state in which the moving speed is less than the predetermined value, as the dynamic image display mode used in display of the results of pick-up, one of a highly-detailed display mode which displays the results of pick-up as a dynamic image showing in great detail a state of the region within the pick-up range, and a color display mode which displays the results of pick-up as a color



dynamic image, is selected.

10021 4948860